

## ABSTRACT

A method of manufacturing an article such as vehicle interior trim component including a decoupler layer is disclosed. The method comprises the conveying of materials into an enclosure to form a preform having a shape of the enclosure, heating the preform to a temperature such that adjacent materials may bond to one another upon cooling and forming the heated preform into a predetermined three-dimensional decoupler configuration via a mold. The enclosure has a perforated portion and at least one panel movable relative to the enclosure so as to selectively expose portions of the perforated portion. The density of the preform may be varied as the at least one panel is moved to expose the perforated portion of the enclosure. A system for manufacturing articles such as a vehicle interior trim component including a decoupler layer is also disclosed.